Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-19. (canceled)

20. (original) A method for treating canine malignant melanoma in a dog suffering from canine malignant melanoma comprising administering to the dog an immunologically-effective amount of a xenogeneic differentiation antigen of the same type as a differentiation antigen expressed by melanoma cells of the dog.

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21. (original) The method according to claim 20, wherein the xenogeneic melanoma-associated differentiation antigen is tyrosinase.

22. (original) The method according to claim 20, wherein the xenogeneic melanoma-associated differentiation antigen is human tyrosinase.

23. (original) The method according to claim 20, wherein the xenogeneic melanoma-associated differentiation antigen is administered as a vector comprising a DNA sequence encoding the xenogeneic therapeutic melanoma-associated differentiation antigen under the control of a promoter which promotes expression of the xenogeneic melanoma-associated differentiation antigen in the dog.

24. (original) The method according to claim 23, wherein the vector has the sequence given by Seq. ID. NO. 1.

25. (withdrawn) The method according to claim 23, wherein the vector has the sequence given by Seq. ID. NO. 2.

26. (withdrawn) A vector comprising the sequence given by Seq. ID No. 1.

27. (withdrawn) A vector comprising the sequence given by Seq. ID No. 2.

28. (canceled)

29. (previously presented) The method of claim 20, wherein the differentiation antigen is selected from the group consisting of Melan-A/Mart-1, Pmel17, tyrosinase and gp75.

30. (new) The method of claim 20, wherein the xenogeneic differentiation antigen is administered by DNA immunization of the subject with DNA encoding the xenogeneic differentiation antigen in a non-viral plasmid vector comprising DNA encoding the xenogeneic differentiation antigen under the control of a promoter which promotes expression of the xenogeneic differentiation antigen.